Table of Contents: Volume 16 (1995)

Number 1

Probabilistic Analysis of the Application of the Cross Ratio to Model Based Vision ..... *Stephan J. Maybank* 5

Object-Centered Surface Reconstruction: Combining Multi-Image Stereo and Shading ..... *P. Fua and Y.G. Leclerc* 35

Planar Object Recognition using Projective Shape Representation ..... *C.A. Rothwell, A. Zisserman, D.A. Forsyth, and J.L. Mundy* 57

Number 2

Shape from Shading: Level Set Propagation and Viscosity Solutions ..... *Ron Kimmel, Kaleem Siddiqi, Benjamin B. Kimia, and Alfred M. Bruckstein* 107

Markov Fusion of a Pair of Noisy Images to Detect Intensity Valleys ..... *R. Azencott, B. Chalmond, and F. Coldefy* 135

3D Motion Recovery via Affine Epipolar Geometry ..... *Larry S. Shapiro, Andrew Zisserman, and Michael Brady* 147

Number 3

The Dynamic Retina: Contrast and Motion Detection for Active Vision ..... *Peter N. Prokopowicz and Paul R. Cooper* 191

Driving Saccade to Pursuit using Image Motion..... *David W. Murray, Kevin J. Bradshaw, Philip F. McLauchlan, Ian D. Reid, and Paul M. Sharkey* 205

Neural Architecture for Visual Information Processing..... *Werner von Seelen, Stefan Bohrer, Jörg Kopecz, and Wolfgang M. Theimer* 229